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| **COVERING BOTH GLE’S AND CCSS**  **(State correlation is not a perfect match-What makes them the same….what makes them different?)**  1.1.1 Identify, describe and analyze patterns and functions (including arithmetic and geometric sequences) from real-world contexts using tables, graphs, words and symbolic rules.  1.1.5 Describe the independent and dependent variables and how they are related to the domain and range of a function that describes a real-world problem.  1.1.7 Recognize that exponential functions represent constant multiplicative change, written symbolically as y = *a* ∙ *bx*; a unit increase in the independent variable (*x*) causes the value of the dependent variable (*y*) to be multiplied by *b*; geometric sequences are exponential functions.  1.1.8 Compare and contrast linear and exponential growth.  1.1.9 Illustrate and compare functions using a variety of technologies (i.e., graphing calculators, spreadsheets and online resources).  1.1.10 Make and justify predictions based on patterns.  1.2.6 Explain how changes in the parameters *a* and *b* affect the graph of an exponential function and validate the practical significance of the parameters in a real-world problem.  1.3.3 Model and solve problems with linear and exponential functions and linear inequalities.  1.3.5 Pose a hypothesis based upon an observed pattern and use mathematics to test predictions.  2.1.2 Select and use an appropriate form of number (integer, fraction, decimal, ratio, percent, exponent, irrational) to solve practical problems involving order, magnitude, measures, locations and scales.  2.2.3 Judge the reasonableness of estimations, computations and predictions.  4.1.1 Collect real data and create meaningful graphical representations (e.g., scatter plots, line graphs) of the data with and without technology.  4.1.2 Determine the association between two variables (i.e., positive or negative, strong or weak) from tables and scatter plots of real data. |
| **COVERING BOTH GLE’S AND CCSS AND SCIENCE INTEGRATION** |
| **GLE’s but not CCSS** |
| **CCSS but not GLE’s** |